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(12) **EUROPEAN PATENT APPLICATION**

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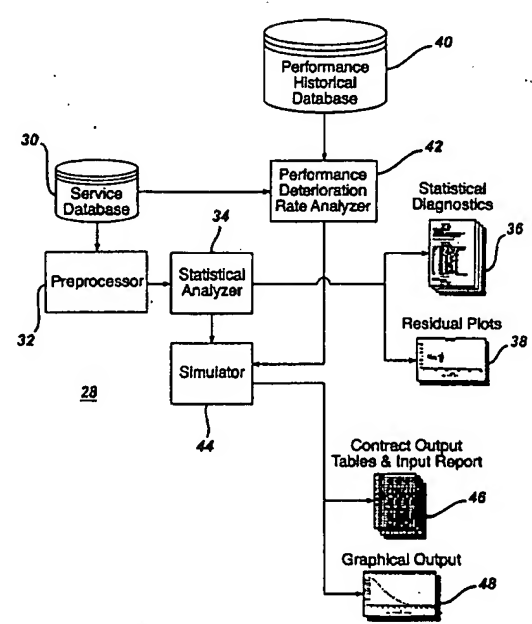
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<p>(84) Designated Contracting States: <b>AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR</b> Designated Extension States: <b>AL LT LV MK RO SI</b></p> <p>(30) Priority: <b>25.05.2000 US 578095</b></p> <p>(71) Applicant: <b>GENERAL ELECTRIC COMPANY</b> <b>Schenectady, NY 12345 (US)</b></p>	<p>(72) Inventors: • <b>Arogones, James Kenneth</b> <b>Clifton Park, New York 12065 (US)</b> • <b>Stein, Jeffrey William</b> <b>East Greenbush, New York 12061 (US)</b></p> <p>(74) Representative: <b>Goode, Ian Roy et al</b> <b>GE LONDON PATENT OPERATION,</b> <b>Essex House,</b> <b>12/13 Essex Street</b> <b>London WC2R 3AA (GB)</b></p>
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(54) **System and method for predicting the timing of future service events of a product**

(57) A system (28) and method for predicting timing of future service events of a product. A database (30) contains a plurality of service information and performance information for the product. A statistical analyzer (34) analyzes the plurality of processed service information to determine a plurality of compartment failure information. A performance deterioration rate analyzer (42) analyzes the performance deterioration rate of the product from the plurality of service information and performance information. A simulator (44), simulates a distribution of future service events of the product according to the plurality of compartment failure information and the performance deterioration rate analysis.

**FIG. 2**



**EP 1 160 712 A2**